**Amendments to the Specification:**

Please amend the paragraph beginning at page 1, line 21 as follows:

During the replication process, the capture program 102 reads the database log for committed changes to the source database 101. The database log contains the source table and row that was changed, the type of operation, the column data type information, the data value after the change for insert and update operations, and the data value before the change for delete and update operations. These changes are then formatted into messages and sent to the message queue 103 to the target database 105. Upon delivery to the message queue 103, the apply program 104 ~~105~~ retrieves the messages and applies the changes to the target database 105.

Please amend the paragraph beginning at page 2, line 8 as follows:

However, when a change involves large data objects (LOB), some databases provide the option not to record the after or before value of the LOB in the database log. Without the ability to obtain the after or before value of the LOB from the database log, the replication process cannot successfully replicate the change at the target ~~table~~ database 105.